LT182X-81-HE

5.0MM ROUND LAMP
(HIGH EFFICIENCY GREEN)

Features

* HIGH EFFICIENCY GREEN
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGEN
* IC COMPATIBLE

Absolute Maximum Ratings at T_A=25□

REVERSE VOLTAGE (<100μA).....	5.0V
D.C. FORWARD CURRENT	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH).....	100 mA
OPERATING TEMPERATURE RANGE.....	-25□ TO + 85□
STORAGE TEMPERATURE RANGE.....	-25□ TO +100□
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260□ FOR 5 SEC.

Electrical/optical characteristics at T_A=25□

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT1821-81-HE	GaP	GREEN	G.D.	567	2.1	2.6	58	96	41
LT1822-81-HE	GaP	GREEN	W.D.	567	2.1	2.6	58	96	41
LT1823-81-HE	GaP	GREEN	W.C.	567	2.1	2.6	300	500	19
LT1824-81-HE	GaP	GREEN	G.C.	567	2.1	2.6	300	500	19

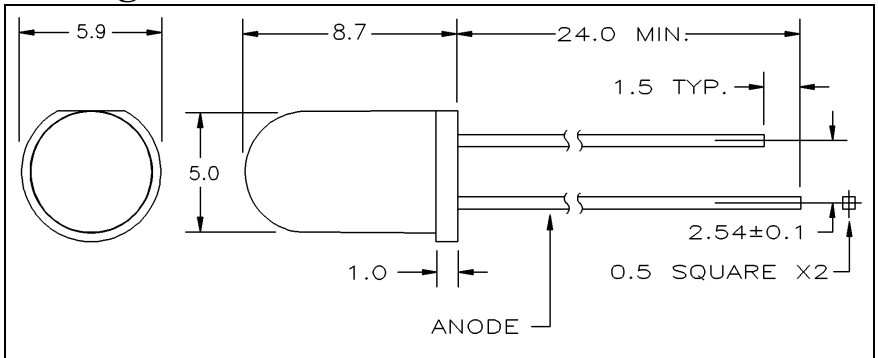
(1) LEN'S COLOR

G.D….GREEN DIFFUSED
W.D….WHITE DIFFUSED
G.C….GREEN CLEAR
W.C….WATER CLEAR

(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED . DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

Package Dimensions



1. ALL DIMENSIONS ARE IN mm,TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

Radiation Pattern